

TOSHIBA
Leading Innovation >>>

40XV645U
1080p Full HD LCD TV
with ClearFrame™ 120Hz

REGZA



40XV645U 40.0" diagonal 1080p HD LCD TV with ClearFrame™ 120Hz

ADVANTAGE

- 1080p Full HD CineSpeed™ Display
- ClearFrame™ 120Hz with 5:5 Pull-Down Option
- 50,000:1 Dynamic Contrast Ratio
- Resolution+™[1] Super Resolution Technology
- PixelPure® 5G 14-Bit Internal Digital Video Processor
- AutoView™ Automatic Picture Adjustment
- ColorMaster™ Wide Color Enhancer
- DynaLight™ Dynamic Backlight Control for Deep Black Levels
- Gaming Mode for Fast Game Controller Response
- 3 HDMI™ Digital Inputs with REGZA-LINK®[2]
- High-Res PC Input (S-XGA, 15 Pin, D-sub)
- ATSC/QAM Digital Tuner for Over-the-Air and Cable-in-the-Clear Digital Tuning
- NEW Bottom Deep Lagoon™ Design with Invisible Speakers

LEADING THE WAY IN HOME ENTERTAINMENT INNOVATION



PRELIMINARY

40XV645U

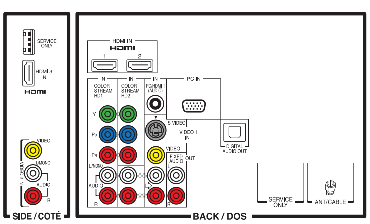
The XV645 series combines the REGZA® Engine (PixelPure® 5G & Resolution+™) with ClearFrame™ 120Hz for superior picture quality, and adds the bottom Deep Lagoon™ design for an appearance that also stands out from the pack.

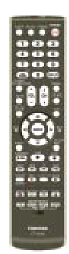
ClearFrame™ 120Hz – Doubles the video frames from 60 per second to 120 per second to reduce any motion blur that could be caused by fast action video. By using advanced motion vector frame interpolation, it improves picture clarity without affecting picture brightness or adding flicker. For those that prefer a more film-like picture, there is also a 5:5 Pull-Down option available.

Resolution+™[1] – Some video content is in high definition (HD), but some is still in standard Definition (SD). However, REGZA® virtually levels the content playing field with Resolution+™. Resolution+™ is super resolution technology that upconverts and enhances 480i, 480p, and even 720p content to create a sharper, more detailed picture. With REGZA® and Resolution+™ all of your standard DVDs, SD TV channels, camcorder videos, and even SD video games will feel like HD.

AutoView™ – A TV picture must be bright enough for high contrast viewing during the day, but not so bright that it causes eye strain at night. To achieve this, REGZA® offers AutoView™. This system combines an ambient room light sensor and advanced algorithms that monitor the incoming video signal. AutoView™ can automatically control the TV picture settings to produce the ideal picture in any room lighting condition.

Bottom Deep Lagoon™ Design – Inspired by nature and reminiscent of sand disappearing below the surface of calm shores, the Deep Lagoon™ design adds a unique feeling of character and depth to flat panel TV.





SERIES:	REGZA®
Cabinet	Bottom Deep Lagoon™ Design
Screen Size (measured diagonally)	40.0″

LCD PANEL:	
Resolution	1080p
Dynamic Backlight Control	DynaLight™
Response Time	CineSpeed™

VIDEO:	
Digital Video Processor	PixelPure® 5G 14 Bit
Resolution+™	•
AutoView™	•
Video Scan Rate	ClearFrame™ 120Hz
Cinema Mode 24fps[3]	5:5 Pull-Down
TheaterWide® Modes	•
Color Temperature Control	•
ColorMaster™ Wide Color Enhancer	•
Native Mode™	•
Deep Color	•

AUDIO:	
Speaker System	Invisible
Mute/Half Mute	•

CONVENIENCE:	
Built-in TV Tuning	NTSC/ATSC/QAM
Auto Aspect Control	•
Sleep Timer	•
REGZA-LINK® (HDMI™-CEC)[2]	•
Gaming Mode	•
Channel Browser™	•
Channel Labeling	•
Input Labeling	•
Expert Mode	•
Logo Light On/Off	•
ENERGY STAR® 3.0 Compliant	•

JACK PACK:	
HDMI™ v1.3 Digital Inputs with InstaPort™	3 (1 Side)
ColorStream® Component Video Inputs	2
Side A/V / Rear A/V / Rear S-Video	1 / 1 /1
High Res PC Input (S-XGA, 15 Pin, D-sub)	1
Analog Audio Out	Fixed
Dolby® Digital Optical Out	•

REMOTE CONTROL:	
Type	4 Item Universal[4]

PRODUCT & PACKAGING:	
VESA® Mounting Pattern[5]	200 x 400
Unit Dimensions (WHD) in. (with stand)	38.43 x 26.10 x 10.35
Unit Dimensions (WHD) in. (without stand)	38.43 x 24.53 x 3.62
Carton Dimensions (WHD) in.	41.61 x 28.35 x 9.84
Unit Weight (with stand)	41.9 lbs
Carton Weight	51.8 lbs
UPC Code	022265002513

[1]Effect of Resolution+™ enhancements may vary depending upon the input signal and content quality.
[2]Use of REGZA-LINK® which is a feature based on HDMI™-CEC requires an HDMI™-CEC compatible peripheral device. Depending on the specifications of your device, some or all REGZA-LINK® functions may not work even if your device is HDMI™-CEC compatible.
[3]Viewing 24 frames per second requires content created in 480p / 24 frames/second.
[4]In some cases, the universal remote may not operate additional devices or certain features of such devices, in which case, it is suggested that you use the original remote control for the applicable device.
[5]If you decide to wall mount your Toshiba television, always use a UL Listed wall bracket appropriate for the size and weight of the television.

http://www.tacp.toshiba.com Customer Solutions: 800.631.3811